

# PATENT ABSTRACTS OF JAPAN

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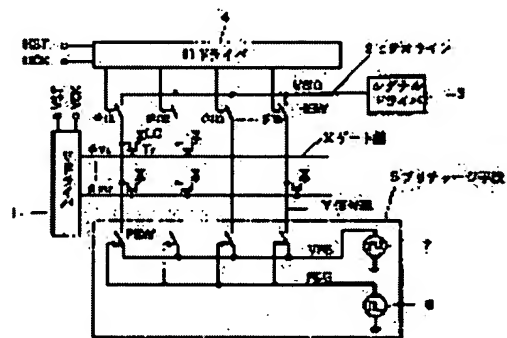
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## (54) ACTIVE MATRIX DISPLAY DEVICE AND ITS DRIVING METHOD

### (57)Abstract:

PURPOSE: To suppress potential fluctuations of a video line accompanying an increase in sampling rate.

CONSTITUTION: The active matrix display device is equipped with row gate lines X, column signal lines Y, and liquid crystal pixels LC arranged at their intersection parts in a matrix. A V-driver 1 scans the respective gate lines X in sequence and selects liquid crystal pixels LC of one line at each horizontal period. An H-driver 4 samples a video signal VISG of each signal line Y and writes the video signal VSIG in the liquid crystal pixels LC of one line selected in each horizontal period. A precharging means 5 supplies a specific precharge signal VPS to the respective signal lines Y right before writing the video signal to the liquid crystal pixels LC of the one line. Consequently, the charging/ discharging capacity of each signal line Y is reducible when the video signal VSIG is sampled, and the potential fluctuations of the video line 2 can be suppressed.



## LEGAL STATUS

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